

ABSTRACT

A method and system is disclosed for communicating information from a downhole location to the surface including a plurality of releasable vessels containing predetermined signal information affixed to the vessels prior to placement of the vessels downhole and indicative of the presence of at least one of three or more predetermined downhole conditions and a sensing and releasing system that senses the occurrence of the downhole condition, such as a simple threshold, and release the vessels in response to the sensing. The predetermined downhole condition can be characteristic of the fluid being produced in the borehole, such as water fraction, a certain level of mechanical wear or damage to downhole equipment such as bit wear, or the firing a one or more charges on a wireline deployed perforation tool.